

What is claimed is:

1. A method of improving the print quality of a print job having black content, the black content having a predetermined location on a print medium, the method comprising:  
5 fortifying the black content by applying a black dye based ink on the predetermined location; and  
printing the black content by applying a black pigment based ink on the predetermined location.
- 10 2. The method according to claim 1, further comprising:  
determining whether the print medium is incompatible with the black pigment based ink;  
applying a sufficient quantity of the black dye based ink to essentially completely cover the predetermined location in response to the print medium being incompatible with the  
15 black pigment based ink; and  
omitting the application of the black pigment based ink on the predetermined location in response to the print medium being incompatible with the black pigment based ink.
- 20 3. The method according to claim 2, further comprising:  
determining whether the print medium is incompatible with the black pigment based ink in response to a selected print mode.
4. The method according to claim 2, further comprising:  
determining whether the print medium is incompatible with the black pigment based  
25 ink in response to detecting a incompatible medium.
5. The method according to claim 1, wherein the fortifying step further comprises:  
applying the black dye based ink on the predetermined location in an essentially uniform, partial density pattern.

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6. The method according to claim 1, wherein the fortifying step further comprises:  
applying a sufficient quantity of the black dye based ink to essentially completely  
cover the predetermined location.
- 5 7. The method according to claim 1, wherein the fortifying step further comprises:  
applying the black dye based ink on an edge of the predetermined location.
8. An apparatus for improving the print quality of a print job having black content, the  
black content having a predetermined location on a print medium, the apparatus comprising:  
10 a first printhead configured to fire black dye based ink droplets on the print medium;  
a second printhead configured to fire black pigment based ink droplets on the print  
medium; and  
a processing system configured to fortify the black content by controlling the first  
printhead to fire droplets on the predetermined location, the processing system being further  
15 configured to print the black content by controlling the second printhead to fire droplets on  
the predetermined location.
9. The apparatus according to claim 8, wherein the processing system is further  
configured to determine whether the print medium is incompatible with the black pigment  
20 based ink, control the first printhead to fire droplets on the predetermined location in an  
essentially complete coverage in response to the print medium being incompatible with the  
black pigment based ink, and control the second printhead to omit the firing of droplets on the  
predetermined location in response to the print medium being incompatible with the black  
pigment based ink.
- 25 10. The apparatus according to claim 9, further comprising:  
a user interface configured to receive a selected print mode, the user interface being  
configured to communicate with the processing system, wherein the processing system is  
further configured to determine whether the print medium is incompatible with the black  
30 pigment based ink based on the selected print mode.

11. The apparatus according to claim 9, further comprising:  
a media detector configured to detect a print medium type, the media detector being configured to communicate with the processing system, wherein the processing system is further configured to determine whether the print medium is incompatible with the black pigment based ink based on the print medium type.
12. The apparatus according to claim 8, wherein the processing system is further configured to fortify the black content by controlling the first printhead to fire droplets on the predetermined location in an essentially uniform, partial density pattern.
13. The apparatus according to claim 8, wherein the processing system is further configured to fortify the black content by controlling the first printhead to fire sufficient droplets essentially completely cover the predetermined location.
14. The apparatus according to claim 8, wherein the processing system is further configured to fortify the black content by controlling the first printhead to fire droplets on an edge of the predetermined location.